

[illegible]

```
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0002 0 *
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0019 0 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0020 0 *
0021 0 *
0022 0 *****
0023 0
0024 0 ++
0025 0
0026 0 TITLE: CDD$TYPE CDD Bit Value Definitions
0027 0
0028 0 VERSION: 'V04-000'
0029 0
0030 0 FACILITY: Common Data Dictionary
0031 0
0032 0 ABSTRACT:
0033 0
0034 0 This module defines the interesting bit values for use in
0035 0 the user interface.
0036 0
0037 0 ENVIRONMENT:
0038 0
0039 0 All routines run in any access mode.
0040 0
0041 0 These routines are NOT AST reentrant.
0042 0
0043 0 AUTHOR: Jeff East, 14-Aug-80
0044 0
0045 0 MODIFIED BY:
0046 0
0047 0 <no modifications yet>
0048 0
0049 0 --
0050 0 XTITLE 'CDD Bit Value Definitions'
```

CDD\$TYPE
V03-000

CDD Bit Value Definitions

C 5
15-Sep-1984 23:38:22
14-Sep-1984 11:58:14

VAX-11 Bliss-32 V4.0-742
[CDD.SRC]CDDTYPDEF.B32;1

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```

: 52      0051 0 MODULE CDD$TYPE (IDENT='V03-000',
: 53      0052 0 ADDRESSING_MODE(EXTERNAL=GENERAL)) =
: 54      0053 1 BEGIN
: 55      0054 1 PSECT
: 56      0055 1 CODE = CDD CODE (READ, NOWRITE, EXECUTE, SHARE, PIC,
: 57      0056 1 CONCATENATE, ADDRESSING_MODE (WORD_RELATIVE)),
: 58      0057 1 PLIT = CDD CODE (READ, NOWRITE, EXECUTE, SHARE, PIC,
: 59      0058 1 CONCATENATE, ADDRESSING_MODE (WORD_RELATIVE)),
: 60      0059 1 OWN = CDD DATA (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
: 61      0060 1 CONCATENATE, ADDRESSING_MODE (LONG_RELATIVE)),
: 62      0061 1 GLOBAL = CDD DATA (READ, WRITE, NOEXECUTE, NOSHARE, PIC,
: 63      0062 1 CONCATENATE, ADDRESSING_MODE (LONG_RELATIVE));
: 64      0063 1
: 65      0064 1 LIBRARY 'SYSS$LIBRARY:STARLET';
: 66      0065 1 LIBRARY 'CDDL$LIB';
```


CDD\$TYPE
V03-000

CDD Bit Value Definitions
Macro Definitions

D 5
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```
.. 68      0066 1  %SBTTL      'Macro Definitions'
.. 69      0067 1  |++
.. 70      0068 1  |
.. 71      0069 1  |      MACRO DEFINITIONS
.. 72      0070 1  |
.. 73      0071 1  |--
.. 74      0072 1  |
.. 75      0073 1  |+
.. 76      0074 1  |      $GLOBAL (name)
.. 77      0075 1  |
.. 78      0076 1  |      This macro takes a local definition and makes it a global
.. 79      0077 1  |      definition.
.. 80      0078 1  |--
.. 81      0079 1  |
.. 82      0080 1  |      COMPILETIME
.. 83      0081 1  |      SEQUENCE = 1;
.. 84      0082 1  |
.. 85      0083 1  |      MACRO
.. 86      M 0084 1  |      $GLOBAL(name) =
.. 87      M 0085 1  |      BIND
.. 88      M 0086 1  |      %NAME ('X', %NUMBER(SEQUENCE)) = name;
.. 89      M 0087 1  |
.. 90      M 0088 1  |      UNDECLARE
.. 91      M 0089 1  |      name;
.. 92      M 0090 1  |
.. 93      M 0091 1  |      GLOBAL LITERAL
.. 94      M 0092 1  |      name = %NAME ('X', %NUMBER(SEQUENCE));
.. 95      M 0093 1  |
.. 96      M 0094 1  |      %ASSIGN (SEQUENCE, SEQUENCE+1);
.. 97      0095 1  |      %;
```

```

99      0096 1      ZSBTTL      'Security Masks'
100     0097 1      :++
101     0098 1      :      SECURITY MASKS
102     0099 1      :--
103     0100 1      :
104     0101 1      :+
105     0102 1      :      CDD security bits
106     0103 1      :--
107     0104 1      :
108     0105 1      $GLOBAL (CDD$K_PROT_C)      : CONTROL access
109     0106 1      $GLOBAL (CDD$K_PROT_D)      : LOCAL DELETE access
110     0107 1      $GLOBAL (CDD$K_PROT_G)      : GLOBAL DELETE access
111     0108 1      $GLOBAL (CDD$K_PROT_H)      : HISTORY list entry creation access
112     0109 1      $GLOBAL (CDD$K_PROT_P)      : PASS THRU access
113     0110 1      $GLOBAL (CDD$K_PROT_S)      : SEE (read) access
114     0111 1      $GLOBAL (CDD$K_PROT_U)      : UPDATE terminal node access
115     0112 1      $GLOBAL (CDD$K_PROT_X)      : EXTEND directory node access
116     0113 1      $GLOBAL (CDD$K_PROT_F)      : FORWARDing directory creation
117     0114 1      :
118     0115 1      :+
119     0116 1      :      Macro-security values
120     0117 1      :--
121     0118 1      :
122     0119 1      $GLOBAL (CDD$K_PROT_ANY)
123     0120 1      $GLOBAL (CDD$K_PROT_DELETE)
124     0121 1      $GLOBAL (CDD$K_PROT_EXTEND)
125     0122 1      $GLOBAL (CDD$K_PROT_UPDATE)
126     0123 1      :
127     0124 1      :+
128     0125 1      :      Other processor security bits
129     0126 1      :--
130     0127 1      :
131     0128 1      :+
132     0129 1      :      VAX-11 Datatrieve
133     0130 1      :--
134     0131 1      :
135     0132 1      $GLOBAL (CDD$K_DTR_PROT_E)  : EXTEND file
136     0133 1      $GLOBAL (CDD$K_DTR_PROT_R)  : READ file
137     0134 1      $GLOBAL (CDD$K_DTR_PROT_M)  : MODIFY file
138     0135 1      $GLOBAL (CDD$K_DTR_PROT_W)  : WRITE file
```

```
140 0136 1 XSBTTL 'User Literal Definitions'
141 0137 1 !+
142 0138 1 !-
143 0139 1 USER LITERAL DEFINITIONS
144 0140 1 !-
145 0141 1 !-
146 0142 1 These symbols are needed by users of the program interface.
147 0143 1 !-
148 0144 1 !-
149 0145 1 !-
150 0146 1 !+
151 0147 1 System Defined Attribute Names
152 0148 1 !-
153 0149 1 !-
154 0150 1 $GLOBAL (CDD$K_SYSNAM_FLAGS) ! Global/System-defined/Protocol=0
155 0151 1 !-
156 0152 1 $GLOBAL (CDD$K_FIRST_SYSNAM) ! Lowest system defined attribute name value
157 0153 1 $GLOBAL (CDD$K_FILE) ! Node's file name
158 0154 1 $GLOBAL (CDD$K_HISTORY) ! History list head
159 0155 1 $GLOBAL (CDD$K_NAME) ! Node's name
160 0156 1 $GLOBAL (CDD$K_PROTOCOL) ! Node's protocol name
161 0157 1 $GLOBAL (CDD$K_TYPE) ! Type of object pointed to by location code
162 0158 1 $GLOBAL (CDD$K_PATHNAME) ! Node's complete pathname
163 0159 1 $GLOBAL (CDD$K_SHORT_PATHNAME) ! Node's short pathname to default directory
164 0160 1 $GLOBAL (CDD$K_ORDER) ! Directory's order
165 0161 1 $GLOBAL (CDD$K_LAST_SYSNAM) ! Highest system defined attribute name value
166 0162 1 !-
167 0163 1 !-
168 0164 1 !+
169 0165 1 Attribute and Entity Types
170 0166 1 !-
171 0167 1 !-
172 0168 1 $GLOBAL (CDD$K_ENTITY)
173 0169 1 $GLOBAL (CDD$K_ENTITY_LIST)
174 0170 1 $GLOBAL (CDD$K_NULL)
175 0171 1 $GLOBAL (CDD$K_NUMERIC)
176 0172 1 $GLOBAL (CDD$K_STRING)
177 0173 1 $GLOBAL (CDD$K_STRING_LIST)
178 0174 1 $GLOBAL (CDD$K_DIRECTORY)
179 0175 1 $GLOBAL (CDD$K_TERMINAL)
180 0176 1 !-
181 0177 1 !-
182 0178 1 !+
183 0179 1 User's entity purge options
184 0180 1 !-
185 0181 1 !-
186 0182 1 $GLOBAL (CDD$K_ALL)
187 0183 1 $GLOBAL (CDD$K_ABORT)
188 0184 1 $GLOBAL (CDD$K_CHECKPOINT)
189 0185 1 !-
190 0186 1 !-
191 0187 1 !+
192 0188 1 User's node creation options
193 0189 1 !-
194 0190 1 !-
195 0191 1 $GLOBAL (CDD$K_NOHISTORY) ! Doesn't want history list cluster
196 0192 1 $GLOBAL (CDD$K_NOACL) ! Prevent default ACL entry
```


CDD\$TYPE
V03-000

CDD Bit Value Definitions
User Literal Definitions

6 5
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[CDD.SRC]CDDTYPDEF.B32;1

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```

: 197      0193 1      $GLOBAL (CDD$K_FIRST)      ! Insert as first node
: 198      0194 1      $GLOBAL (CDD$K_LAST)       ! Insert as last node
: 199      0195 1
: 200      0196 1
: 201      0197 1      !+
: 202      0198 1      !-      User's node deletion options
: 203      0199 1
: 204      0200 1
: 205      0201 1      $GLOBAL (CDD$K_CHECK)       ! Fail if directory has children
: 206      0202 1      $GLOBAL (CDD$K_SUBDICTIONARY) ! Delete contents of subdictionaries
: 207      0203 1
: 208      0204 1
: 209      0205 1      !+
: 210      0206 1      !-      Values of the CDD$K_ORDER attribute
: 211      0207 1
: 212      0208 1
: 213      0209 1      $GLOBAL (CDD$K_SORTED)      ! Directory is sorted
: 214      0210 1      $GLOBAL (CDD$K_NONSORTED)   ! Directory is not sorted
: 215      0211 1
: 216      0212 1
: 217      0213 1      END
: 218      0214 0      ELUDOM
```

.TITLE CDD\$TYPE CDD Bit Value Definitions
.IDENT \V03-000\

```

X1=      1
CDD$K_PROT_C== 1
X2=      2
CDD$K_PROT_D== 2
X3=      4
CDD$K_PROT_G== 4
X4=      8
CDD$K_PROT_H== 8
X5=     16
CDD$K_PROT_P== 16
X6=     32
CDD$K_PROT_S== 32
X7=     64
CDD$K_PROT_U== 64
X8=    128
CDD$K_PROT_X== 128
X9=    256
CDD$K_PROT_F== 256
X10=    511
CDD$K_PROT_ANY== 511
X11=     6
CDD$K_PROT_DELETE== 6
X12=    384
CDD$K_PROT_EXTEND== 384
X13=    463
CDD$K_PROT_UPDATE== 463
X14=   65536
CDD$K_DTR_PROT_E== 65536
X15=  131072
CDD$K_DTR_PROT_R== 131072
```


X16=	262144
CDD\$K_DTR_PROT_M==	262144
X17=	524288
CDD\$K_DTR_PROT_W==	524288
X18=	402653184
CDD\$K_SYSNAM_FLAGS==	402653184
X19=	402653185
CDD\$K_FIRST_SYSNAM==	402653185
X20=	402653185
CDD\$K_FILE==	402653185
X21=	402653186
CDD\$K_HISTORY==	402653186
X22=	402653187
CDD\$K_NAME==	402653187
X23=	402653189
CDD\$K_PROTOCOL==	402653189
X24=	402653190
CDD\$K_TYPE==	402653190
X25=	402653191
CDD\$K_PATHNAME==	402653191
X26=	402653192
CDD\$K_SHORT_PATHNAME==	402653192
X27=	402653193
CDD\$K_ORDER==	402653193
X28=	402653193
CDD\$K_LAST_SYSNAM==	402653193
X29=	1
CDD\$K_ENTITY==	1
X30=	2
CDD\$K_ENTITY_LIST==	2
X31=	3
CDD\$K_NULL==	3
X32=	4
CDD\$K_NUMERIC==	4
X33=	5
CDD\$K_STRING==	5
X34=	6
CDD\$K_STRING_LIST==	6
X35=	7
CDD\$K_DIRECTORY==	7
X36=	8
CDD\$K_TERMINAL==	8
X37=	1
CDD\$K_ALL==	1
X38=	2
CDD\$K_ABORT==	2
X39=	4
CDD\$K_CHECKPOINT==	4
X40=	1
CDD\$K_NOHISTORY==	1
X41=	2
CDD\$K_NOACL==	2
X42=	8
CDD\$K_FIRST==	8
X43=	16
CDD\$K_LAST==	16

CDD\$TYPE
V03-000

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1 5
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[CDD.SRC]CDDTYPDEF.B32;1

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X44= 1
CDD\$K_CHECK== 1
X45= 2
CDD\$K_SUBDICTIONARY== 2
X46= 1
CDD\$K_SORTED== 1
X47= 2
CDD\$K_NONSORTED== 2

PSECT SUMMARY

Name	Bytes	Attributes
. ABS .	0	NOVEC,NOWRT,NORD ,NOEXE,NOSHR, LCL, ABS, CON,NOPIC,ALIGN(0)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.8
\$255\$DUA28:[CDD.OBJ]CDDL1B.L32;1	664	47	7	53	00:00.3

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CDDTYPDEF/OBJ=OBJ\$:CDDTYPDEF MSRCS:CDDTYPDEF/UPDATE=(ENHS:CDDTYPDEF)

; Size: 0 code + 0 data bytes
; Run Time: 00:03.8
; Elapsed Time: 00:20.4
; Lines/CPU Min: 3396
; Lexemes/CPU-Min: 45333
; Memory Used: 49 pages
; Compilation Complete

0043

AH-BT13A-SE
 VAX/VMS V4.0

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